

<b>FMC BioPolymer</b>	)	<b>Departmental</b>
<b>Knox County</b>	)	<b>Findings of Fact and Order</b>
<b>Rockland, Maine</b>	)	<b>Part70 Air Emission License</b>
<b>A-366-70-B-C</b>	)	<b>Administrative Revision #1</b>

After review of the Part 70 Air Emission License Amendment Application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts.

## **I. REGISTRATION**

### **A. Introduction**

FMC BioPolymer (FMC) located in Rockland, Maine, was issued Part 70 Air Emission License A-366-70-A-I on June 28, 2002. (the License). The License permitted air emissions from a facility used in the manufacture of refined hydrocolloid products.

FMC has requested a Part 70 Administrative Revision to the License to incorporate a State Only Requirement to allow the use of sodium hypochlorite in their manufacturing process. The use of sodium hypochlorite may create low levels of chlorine emissions, a state regulated air pollutant.

### **B. Application Classification**

Based on a laboratory and pilot plant analysis performed by FMC, the introduction of sodium hypochlorite into their manufacturing process will not result in an increase of emissions of more than 4 tpy of any single regulated pollutant, or an increase of more than 8 tpy of total regulated pollutants. This application is therefore being processed as a Part 70 Administrative Revision under Chapter 140 (7)(A).

## **II. BEST PRACTICAL TREATMENT (BPT)**

FMC submitted data showing an estimate based on laboratory testing and pilot plant analysis of approximately 13 lb/day of chlorine emissions from use of sodium hypochlorite in the process. Use of sodium hypochlorite in the process is

not expected to exceed 100 days per year. Best Practical Treatment shall be operation, maintenance and use of sodium hypochlorite in a manner that minimizes chlorine emissions.

FMC shall maintain a log of the amount of sodium hypochlorite used in the process and the days and times sodium hypochlorite is used in the process.

FMC shall maintain records that estimate the annual emissions of chlorine from the use of sodium hypochlorite , on a 12 month rolling total, based on the amount of sodium hypochlorite used in the process and the results of its laboratory and pilot plant analysis.

### **III. AMBIENT AIR QUALITY ANALYSIS**

According to the Maine Regulations Chapter 140, the level of air quality analyses required for a non major source shall be determined on a case-by case basis. Based on the information available in the file, and the nature of the process change, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this revision. An air quality analysis is not required for this Administrative Revision.

### **ORDER**

Based on the above findings and subject to the conditions listed below, the Department concludes that the emissions from the source:

- Will receive Best Practical Treatment
- Will not violate applicable emission standards.
- Will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants this Part 70 Air Emission License Administrative Revision A-366 –70-B-A, subject to the conditions found in Part 70 Air Emission License A-366-70-A-I and the following Special Conditions:

#### **(40) Sodium Hypochlorite**

1. FMC shall not use sodium hypochlorite in the process more than 100 days per year.
2. FMC shall maintain a log of the amount of sodium hypochlorite used in the process and the days and times sodium hypochlorite is used in the process.

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3. FMC shall maintain records that estimate the annual emissions of chlorine from the use of sodium hypochlorite in the process , on a 12 month rolling total, based on the amount of sodium hypochlorite used in the process and the results of its laboratory and pilot plant analysis.

(41) This order expires concurrently with Part 70 Air Emission License A-366-70-A-I.

**DONE AND DATED IN AUGUSTA, MAINE, THIS            DAY OF            , 2003**

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**BY:\_\_\_\_\_**  
**DAWN R. GALLAGHER, COMMISSIONER**

PLEASE NOTE THE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 4/23/03

Date of initial acceptance: 5/5/03

Date filed with Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Jonathan Voisine, Bureau of Air Quality.